

TECHNICAL REVIEW DOCUMENT OPERATING PERMIT 03OPLO255

to be issued to:

Trailblazer Pipeline Company-Station 601
Logan County
Source ID 0750077

Prepared by Geoffrey D. Drissel
September, 2008

I. Purpose:

This document will establish the basis for decisions made regarding the applicable requirements, emission factors, monitoring plan and compliance status of emission units covered by the renewal operating permit proposed for this site. The original Operating Permit was issued October 1, 2003. This document is designed for reference during the review of the proposed permit by the EPA, the public, and other interested parties. The conclusions made in this report are based on information provided in the renewal application submitted July 25, 2007 and previous inspection reports. Please note that copies of the Technical Review Document for the original permit and any Technical Review Documents associated with subsequent modifications of the original Operating Permit may be found in the Division files as well as on the Division website at <http://www.cdphe.state.co.us/ap/Titlev.html>.

Any revisions made to the underlying construction permits associated with this facility made in conjunction with the processing of this operating permit application have been reviewed in accordance with the requirements of Regulation No. 3, Part B, Construction Permits, and have been found to meet all applicable substantive and procedural requirements. This operating permit incorporates and shall be considered to be a combined construction/operating permit for any such revision, and the permittee shall be allowed to operate under the revised conditions upon issuance of this operating permit without applying for a revision to this permit or for an additional or revised Construction Permit.

II. Source Description:

This facility consists of two natural gas fired combustion turbines. Each turbine has a site rated heat input of 107,610,000 BTU per hour. The facility is defined under Standard Industrial Classification 4922.

The facility is located in the Northwest $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Section 29, Township 12 North, Range 49 West, in Logan County. The area is designated as attainment for all pollutants. The facility is considered to be a synthetic minor source for Prevention of Significant Deterioration and Hazardous Air Pollutant purposes.

Facility wide emissions are as follows:

| <u>Pollutant</u> | <u>Potential to Emit (tons/yr)</u> | <u>Actual 2007 Emissions (tons/yr)</u> |
|------------------|--|--|
| PM | 6.22 | 3.90 |
| PM ₁₀ | 6.22 | 3.90 |
| NO _x | 94.70 | 76.0 |
| SO ₂ | 3.21 | 2.0 |
| CO | 115.32 | 92.6 |
| VOC | 33.02 | 26.5 |

Potential emissions are taken from the current Operating Permit for this facility. Actual emissions are taken from a report of a facility inspection conducted on December 5, 2007.

There are no Federal Class I designated areas within 100 kilometers of this facility. Nebraska is an affected state within 50 miles of this facility.

This facility certified within the Title V permit application they are not subject to 112(r), the Accidental Release Requirements.

III. Emission Sources:

Source Requested Modifications

The source did not request that any changes be made to the Operating Permit:

Other Modifications

The Division has included changes to make the permit more consistent with recently issued permits, including comments made by EPA on other Operating Permits, as well as to correct errors or omissions identified during review of this renewal.

The Division has made the following revisions, based on recent internal permit processing decisions and EPA comments, to this Operating Permit. These changes are as follows:

- The PSD language was revised to reflect the current regulation citations.
- Appendix B and C were revised to reflect the current versions.